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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,258	10/02/2003	Junichi Miyano	OKI 384	3480
23995 75	90 02/13/2006		EXAMINER	
RABIN & Berdo, PC			CHEN, BRET P	
1101 14TH STI SUITE 500	REET, NW		ART UNIT	PAPER NUMBER
WASHINGTO	N, DC 20005		1762	·
			DATE MAILED: 02/13/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application No.	Applicant(s)	
		10/676,258	MIYANO ET AL.	
		Examiner	Art Unit	
		B. Chen	1762	
Period fe	The MAILING DATE of this communication app or Reply	pears on the cover sheet w	ith the correspondence address -	-
WHIC - Exte afte - If NC - Failt Any	HORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAPACES of time may be available under the provisions of 37 CFR 1.13 or SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we ure to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a vill apply and will expire SIX (6) MOI , cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communica BANDONED (35 U.S.C. § 133).	·
Status				
1)⊠	Responsive to communication(s) filed on 16 De	ecember 2005.		
2a)⊠	This action is FINAL . 2b) This	action is non-final.		
3)[Since this application is in condition for allowar		•	s is
	closed in accordance with the practice under E	x parte Quayle, 1935 C.	D. 11, 453 O.G. 213.	
Disposit	tion of Claims			
4)⊠	Claim(s) 1-6 is/are pending in the application.			
,—	4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5)[Claim(s) is/are allowed.			
6)⊠	Claim(s) <u>1-6</u> is/are rejected.			
7)	Claim(s) is/are objected to.			
8)[Claim(s) are subject to restriction and/or	r election requirement.		
Applicat	ion Papers			
9)[The specification is objected to by the Examine	r.		
	The drawing(s) filed on is/are: a) acce		by the Examiner.	
	Applicant may not request that any objection to the	drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
	Replacement drawing sheet(s) including the correct			
11)	The oath or declaration is objected to by the Ex	aminer. Note the attache	d Office Action or form PTO-152.	•
Priority (under 35 U.S.C. § 119			
	Acknowledgment is made of a claim for foreign All b) Some * c) None of:	priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
	1. Certified copies of the priority documents	s have been received.		
	2. Certified copies of the priority documents			
	3. Copies of the certified copies of the prior		received in this National Stage	
	application from the International Bureau			
* \$	See the attached detailed Office action for a list	of the certified copies not	received.	
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Attachmen		<u> </u>		
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date	
3) 🔲 Infon	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of I	Informal Patent Application (PTO-152)	
	er No(s)/Mail Date	6) 🔲 Other:	<u>_</u> ·	

DETAILED ACTION

Claims 1-6 are pending in this application. Amended claims 1-2 and newly added claims 5-6 are noted.

The amendment dated 12/6/05 has been entered and carefully considered. In view of said amendment, the objection to the specification and the previous 112 rejection have been withdrawn. In addition, in view of the properly filed Terminal Disclaimer, the obviousness double patenting rejection has been withdrawn.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 5, the term "the vacuum ultraviolet rays photons" lack antecedent basis.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamazaki (6,130,118) for the reasons listed in the previous office action.

Amended claim 1 and newly added claim 5 requires a specific temperature and energy and wavelength. It would have been obvious to one having ordinary skill in the art to have determined the optimum value of a cause effective variable such as temperature, energy and wavelength through routine experimentation in the absence of a showing of criticality.

With respect to newly added claim 6, the applicant requires a specific uv generator. This issue has been addressed in the previous office action.

Response to Arguments

Applicant's arguments filed 12/06/05 have been fully considered but they are not persuasive.

Applicant first argues that the reference fails to teach the appropriate temperature (p.5 issue 1). This newly added limitation has been addressed above.

Applicant next argues that the reference fails to teach an ultraviolet rays generator which provides UV at a shorter wavelength and higher energy which allows them to cause chemical reactions (p.5 issue 2). Applicant cites an Encyclopedia to show that the wavelengths and energies are different and thus cannot break the Si-N bonds.

The examiner agrees in part. While the examiner concedes that wavelengths and energies are different as mentioned by the Encyclopedia reference, the examiner takes issue with some of the arguments. It is first noted that applicant argues that the UV source of Yamazaki cannot break the Si-N bonds. However, nowhere in the instant claims does the applicant require the breaking of Si-N bonds. Hence, the applicant's arguments are not commensurate in scope with the instant claims as presently written. Secondly, even if the energies and wavelengths are

different, independent claim 1 only requires an UV rays generator. Yamazaki, the applied reference, clearly teaches a UV source which is broad enough to read on a UV rays generator. To that end, however, if the applicant were to amend independent claim 1 to recite breaking Si-N bonds with the energy and wavelength recited in claim 5, this art rejection will be withdrawn.

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Applicant's arguments have been considered but are not deemed persuasive.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to B. Chen whose telephone number is (571) 272-1417. The examiner can normally be reached on 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bc 2/7/06

BRET CHEN PRIMARY EXAMINER